



# UNITED STATES PATENT AND TRADEMARK OFFICE

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UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, DC 20231  
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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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EXAMINER
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ART UNIT	PAPER
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01042005

DATE MAILED:

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents**

This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 C.F.R. § 1.821(a)(1) and (a)(2). However, this application fails to comply with the requirements of 37 C.F.R. §§ 1.821-1.825 for the reason(s) set forth on the attached Notice To Comply With Requirements For Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures. Applicant must comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825) before the application can be examined under 35 U.S.C. §§ 131 and 132.

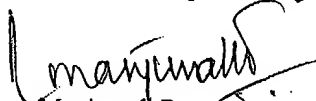
The paper copy of the Sequence Listing contains two sequences but the computer readable form of the Sequence Listing contains only one sequence. The claims 73 recites SEQ ID NO:2 but the CRF does not contain SEQ ID NO:2. A copy of the Raw Sequence Listing is attached with this communication.

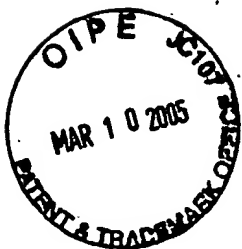
APPLICANT IS GIVEN ONE MONTH FROM THE DATE OF THIS LETTER WITHIN WHICH TO COMPLY WITH THE SEQUENCE RULES, 37 C.F.R. §§ 1.821-1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 C.F.R. § 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 C.F.R. § 1.136. In no case may an applicant extend the period for response beyond the six month statutory period. Direct the response to the undersigned. Applicant is requested to return a copy of the attached Notice to Comply with the response.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yong Pak whose telephone number is 571-272-0935. The examiner can normally be reached 6:30 A.M. to 5:00 P.M. Monday through Thursday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ponnathapu Achutamurthy can be reached on 571-272-0928. The fax phone numbers for the organization where this application or proceeding is assigned are 571-273-8300 for regular communications and 703-872-9307 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-1600.

Yong D. Pak  
Patent Examiner 1652

  
Manjunath Rao  
Primary Examiner 1652



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/08/252,384A

DATE: 10/22/2004

TIME: 11:56:03

Input Set : N:\FATIMA\08252384.txt

Output Set: N:\CRF4\10222004\H252384A.raw

3 &lt;110&gt; APPLICANT: Reactive Surfaces

4 McDaniel, C. Steven

6 &lt;120&gt; TITLE OF INVENTION: Recombinant Organophosphorus Acid Anhydrase and Methods of

Use

8 &lt;130&gt; FILE REFERENCE: RACT-00200

C--&gt; 10 &lt;140&gt; CURRENT APPLICATION NUMBER: US/08/252,384A

C--&gt; 11 &lt;141&gt; CURRENT FILING DATE: 2004-06-01

13 &lt;150&gt; PRIOR APPLICATION NUMBER: 07/928,540

14 &lt;151&gt; PRIOR FILING DATE: 1992-08-13

16 &lt;150&gt; PRIOR APPLICATION NUMBER: 08/252,384

17 &lt;151&gt; PRIOR FILING DATE: 1994-06-01

19 &lt;150&gt; PRIOR APPLICATION NUMBER: 07/344,258

20 &lt;151&gt; PRIOR FILING DATE: 1989-04-27

22 &lt;160&gt; NUMBER OF SEQ ID NOS: ①

24 &lt;170&gt; SOFTWARE: PatentIn version 3.2

26 &lt;210&gt; SEQ ID NO: 1

27 &lt;211&gt; LENGTH: 337

28 &lt;212&gt; TYPE: PRT

29 &lt;213&gt; ORGANISM: Pseudomonas aeruginosa

31 &lt;400&gt; SEQUENCE: 1

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33 Met Ser Ile Gly Thr Gly Asp Arg Ile Asn Thr Val Arg Gly Pro Ile
34 1           5           10           15
37 Thr Ile Ser Glu Ala Gly Phe Thr Leu Thr His Glu His Ile Cys Gly
38           20           25           30
41 Ser Ser Ala Gly Phe Leu Arg Ala Trp Pro Glu Phe Phe Gly Ser Arg
42           35           40           45
45 Lys Ala Leu Ala Glu Lys Ala Val Arg Gly Leu Arg Arg Ala Arg Ala
46           50           55           60
49 Ala Gly Val Arg Thr Ile Val Asp Val Ser Thr Phe Asp Ile Gly Arg
50 65           70           75           80
53 Asp Val Ser Leu Leu Ala Glu Val Ser Arg Ala Ala Asp Val His Ile
54           85           90           95
57 Val Ala Ala Thr Gly Leu Trp Phe Asp Pro Pro Leu Ser Met Arg Leu
58           100          105          110
61 Arg Ser Val Glu Glu Leu Thr Gln Phe Phe Leu Arg Glu Ile Gln Tyr
62           115          120          125
65 Gly Ile Glu Asp Thr Gly Ile Arg Ala Gly Ile Ile Lys Val Ala Thr
66           130          135          140
69 Thr Gly Lys Ala Thr Pro Phe Gln Glu Leu Val Leu Lys Ala Ala Ala
70 145          150          155          160
73 Arg Ala Ser Leu Ala Thr Gly Val Pro Val Thr Thr His Thr Ala Ala
74           165          170          175
77 Ser Gln Arg Asp Gly Glu Gln Gln Ala Ala Ile Phe Glu Ser Glu Gly
78           180          185          190

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Best Available Copy

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PATENT APPLICATION: US/08/252,384A

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Input Set : N:\FATIMA\08252384.txt

Output Set: N:\CRF4\10222004\H252384A.raw

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81 Leu Ser Pro Ser Arg Val Cys Ile Gly His Ser Asp Asp Thr Asp Asp
82      195                200                205
85 Leu Ser Tyr Leu Thr Ala Leu Ala Ala Arg Gly Tyr Leu Ile Gly Leu
86      210                215                220
89 Asp His Ile Pro His Ser Ala Ile Gly Leu Glu Asp Asn Ala Ser Ala
90 225                230                235                240
93 Ser Ala Leu Leu Gly Ile Arg Ser Trp Gln Thr Arg Ala Leu Leu Ile
94      245                250                255
97 Lys Ala Leu Ile Asp Gln Gly Tyr Met Lys Gln Ile Leu Val Ser Asn
98      260                265                270
101 Asp Trp Leu Phe Gly Phe Ser Ser Tyr Val Thr Asn Ile Met Asp Val
102      275                280                285
105 Met Asp Arg Val Asn Pro Asp Gly Met Ala Phe Ile Pro Leu Arg Val
106      290                295                300
109 Ile Pro Phe Leu Arg Glu Lys Gly Val Pro Gln Glu Thr Leu Ala Gly
110 305                310                315                320
113 Ile Thr Val Thr Asn Pro Ala Arg Phe Leu Ser Pro Thr Leu Arg Ala
114      325                330                335
117 Ser

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VERIFICATION SUMMARY

PATENT APPLICATION: US/08/252,384A

DATE: 10/22/2004

TIME: 11:56:04

Input Set : N:\FATIMA\08252384.txt

Output Set: N:\CRF4\10222004\H252384A.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date